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002/004

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PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Ribeiro, Claudio. et al.

EXAMINER: Lee, John

SERIAL NO.: 10/731,490

GROUP: 2684 4608 DSN

FILED: 09 December 2003

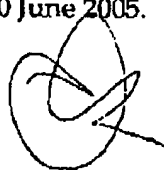
CASE NO.: C523471RL

ENTITLED: User Interface

DECLARATION UNDER 37 C.F.R. § 1.131Commissioner for Patents  
Alexandria, Virginia 22313-1450

Sir:

The following Declaration and any attachments are to establish conception in the United States of claimed subject matter in the referenced patent application and diligence to the filing of the referenced patent application on 09 DECEMBER 2003 from a date prior to the effective dates of both United States Patent Publication No. US 2004/0209641 A1 by Hong which was filed in the United States on 04 September 2003 and claims priority to KR10-2003-0025049 filed having a priority date of 21 April 2003, and United States Patent Publication No. 2005/0085180 A1 filed on 15 October 2003 by Ballay et al., which are relied upon by the Examiner to support a rejection under 35 U.S.C. 103(a) in the Office Action dated 30 June 2005.



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003/004

Ribeiro et al.

37 CFR 1.131 Declaration  
Appl. No. 10/731,490

Examiner Lee, John J.

Art Unit 2684 4608 <sup>DN</sup>

Atty. Docket No. CS23471RL

In support of this declaration, Claudio Santiago Ribeiro of Evanston, Illinois, Julius Lucaci of Evanston, Illinois, and Paul M. Pierce of Grays Lake, Illinois declare and say the following:

That we conceived the claimed subject matter of the referenced patent application in the United States before 21 April 2003, the filing date of United States Patent Publication No. 2004/0209641 of Hong, in the course of employment by Motorola Inc., wherein the referenced application has been assigned thereto and a copy of the assignment has been attached as Appendix I;

That the claimed subject matter of the referenced patent application was the subject of a written disclosure prepared after conception, which discloses the conception date that is prior to 21 April 2003 and wherein the written disclosure was submitted in a disclosure form, used by the assignee, Motorola Inc., for the purpose of documenting, considering and maintaining invention disclosures (disclosure attached as Appendix II);

That the conception date which is the earliest verifiable date an individual who is a non-innovator witnessed the claimed subject matter, redacted from the disclosure form attached as Appendix II is prior to 5 January 2000;

That on information and belief on or about 10 July 2003 Motorola Inc. received the disclosure for review and subsequently decided to pursue patent protection on the written disclosure, and that thereafter, in due course, a patent application was prepared and filed in the United States Patent Office on 09 DECEMBER 2003 by or on behalf of Motorola Inc.;



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Ribeiro et al.

37 CFR 1.131 Declaration

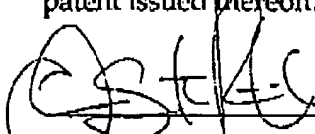
Appl. No. 10/731,490

Examiner Lee, John J

Art Unit 2684

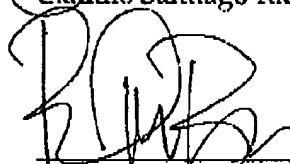
Atty. Docket No. CS23471RL

That all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

 11/30/05  
\_\_\_\_\_  
Claudio Santiago Ribeiro Date

Julius Lucaci

Date

 11-30-05  
\_\_\_\_\_  
Paul M Pierce Date

11/29/05 17:55 FAX 1 312 432 6224 IGNITE DESIGN

004

Ribeiro et al.

37 CFR 1.131 Declaration

Appl. No. 10/731,490

Examiner Lee, John J

Art Unit 2684 4608  
DEN

Atty. Docket No. CS23471RL

That all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

\_\_\_\_\_  
Claudio Santiago Ribeiro Date  
Julius Lucaci29/11/05  
Date\_\_\_\_\_  
Paul M Pierce Date

PATENT

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **CLAUDIO SANTIAGO RIBEIRO, EVANSTON, IL; IULIUS LUCACI, EVANSTON, IL; and, PAUL M. PIERCE, GRAYSLAKE, IL;** have sold, assigned and transferred, and do hereby sell, assign and transfer, unto **MOTOROLA, INC.**, a corporation of the State of Delaware, having its principal office in Schaumburg, State of Illinois, United States of America, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions relating to improvements in **USER INTERFACE** (Docket No. **CS23471RL**), described, illustrated and claimed in an application for Letters Patent of the United States of America executed by us on the dates indicated by our signatures below, together with the entire right, title and interest in and to the application, and in and to Letters Patent which may be issued upon the application, and upon any division, extension, continuation or reissue thereof.

We hereby also sell, assign and transfer unto **MOTOROLA, INC.**, the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, and we further authorize **MOTOROLA, INC.** to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

We hereby authorize and request the Commissioner of Patents of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation or reissue, to **MOTOROLA, INC.**, for the sole use and benefit of **MOTOROLA, INC.**, its successors, assigns and legal representatives, to the full end of the term for which Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and we hereby authorize and request the equivalent authorities in foreign countries to issue the patents of their respective countries to **MOTOROLA, INC.**

We agree that, when requested, we will, without charge to **MOTOROLA, INC.**, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for the inventions in any and all countries and for vesting title thereto in **MOTOROLA, INC.**, its successors, assigns and legal representatives or nominees.

We covenant with **MOTOROLA, INC.**, its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

EXPRESS MAIL LABEL NO. EV293578632 US

Claudio Santiago Ribeiro  
 CLAUDIO SANTIAGO RIBEIRO

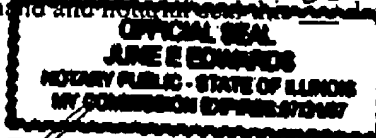
DATE: 06/11/03

STATE OF IL )  
 )ss  
 COUNTY OF LAKE )

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Claudio Santiago Ribeiro whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 06 day of November, 2003.

My commission expires:



June E. Edwards  
 Notary Public Signature

June E. Edwards  
 Printed Name of Notary Public

Julius Lucaci  
 JULIUS LUCACI

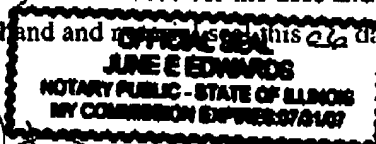
DATE: 11/06/2003

STATE OF IL )  
 )ss  
 COUNTY OF LAKE )

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Julius Lucaci whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 06 day of November, 2003.

My commission expires:



June E. Edwards  
 Notary Public Signature

June E. Edwards  
 Printed Name of Notary Public

Paul M. Pierce  
 PAUL M. PIERCE

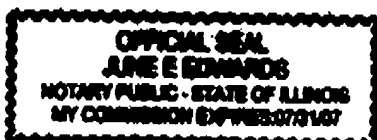
DATE: 12.04.03

STATE OF IL )  
 )ss  
 COUNTY OF LAKE )

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Paul M. Pierce whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 7 day of December, 2003.

My commission expires:



June E. Edwards  
 Notary Public Signature

JUNE E. EDWARDS  
 Printed Name of Notary Public

CS3471R1



Motorola - My Motorola

Home Innovation Disclosure Publication Clearance Indl-Trac  
Welcome June Edwards - Sep 16, 2003

Innovation Disclosure

Disclosure CS23471RL (20703)

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CS20709RA (12792)

ID:

Title:

CS23471RL (20703)

Multi Feature Dial Ring

"User Interface"

Innovators:

Claudio Ribeiro Santiago Ribeiro, Julius Lucaci, Paul Pierce

Status:

Awaiting Filing

Disposition:

Pursue

Submitted Date:

Review Date:

Sector:

PCS

Patent Committee: PCS Libertyville

Business Unit:

Consumer Experience, Planning & Software

Organization:

PCS, CXPS, CON EXP DSN, ,

Department:

BB560

Submit Country:

USA

View Changes Log

Administration

Print Disclosure

## WORKFLOW

First Innovator

Claudio Santiago  
Ribeiro (Claudio  
Ribeiro)Verification Complete 07/10/2003

Co-Innovator

Julius LucaciVerification Complete 07/15/2003

Co-Innovator

Paul M PierceVerification Complete 07/11/2003

Witness

Stephan P Pfanner  
(Peter)Acknowledgement Complete 07/11/2

Witness

Joel SotoAcknowledgement Complete 07/14/2

Manager

Yoon ho ChoiAcknowledgement Complete 08/11/2

Business Reviewer

Bill MaesReview Needed

Technical Reviewer

Karsten AagaardReview Needed

## REVIEW INFORMATION

Business ReviewerBill MaesTechnical ReviewerKarsten AagaardGrading Results

## DOCUMENTS

TTX multi feature dial patent final.ppt

Multi feature dia

## QUESTIONS

BEST AVAILABLE COPY

**Name of Innovation or Engineering Development?**

Muti Feature Dial Ring

**What is the problem(s) to be resolved by or need(s) for your idea?**

As the radio devices evolve to new paradigms there's a need to create a way to c radio device. Wtith this muti prupuse ring that allows for that.

Thi is a new way to approach the keypad design and allows for simplify the use of radio/phone as these devices start to have more funtions than to make a call.

**What patents or publications describe your idea and why don't they resolve tl need(s)?**

The I-pod design from apple: That design is only valid for scrolling or selecting (mo type of navigation). It does not revolves around the bellkeypad area of the product multiple uses together with the bellkeypad.

[http://store.apple.com/1-800-MY-](http://store.apple.com/1-800-MY-APPLE/WebObjects/AppleStore.woa/71302/wo/OUzZkqRkVw7H3USGEXK2dLFR)

[APPLE/WebObjects/AppleStore.woa/71302/wo/OUzZkqRkVw7H3USGEXK2dLFR](http://store.apple.com/1-800-MY-APPLE/WebObjects/AppleStore.woa/71302/wo/OUzZkqRkVw7H3USGEXK2dLFR)

**What is the idea you are disclosing?**

The idea is to create and evolve the functionality of the bellkeypad area and adding ring that can control various functions of the product.

The dial can be digital/touch or phisical/mechanical

**How does this idea resolve the problem(s) or fulfill the need(s) in a new way?**

The Muti-feature dial can be used to control various functionalities:

Digital music mixer: With MP-3's the user can mixe music In their device create the tunes...

Sound/volume adjustment: way to control audio volume for the product

Camera Zoom: Controlling the zoom feture

Scrolling: up and down navigation

Gaming: gaming controls

Radio Tunning

Equalizer adjustment

There are other possibilities for the navigation/use of this product, but the basic ide create various possibilities to be explored further.

**How or where will this Idea be used (e.g. what process or product will it be ap**

This idea was conceptualized In the process of creating the TTX design concepts f

Right now was only used in concepts but as the bussiness evolves ther will be new

like the Nokia gamer, that has a different keypad/functionality that goes beyond a p

This concept is a new way of evolving the functionality of the keypad and allowing

**Do you plan to disclose your idea outside of Motorola (e.g. conference, public product offering, etc.)?**

NO

**Is your Idea known or has It been disclosed outside of Motorola without a dut disclosure agreement, joint development agreement, etc.)?**

NO

**Has a product incorporating your idea been sold, offered for sale, placed in p sampled, described in any publication (including Motorola promotional literat anyone outside of Motorola (customer or distributor), or placed into inventory**

NO

**What is the earliest verifiable date that you communicated your idea to an ind innovator (e.g., the date a non-innovator witness signed your engineering not**



Was your Idea created or developed through work performed with a consortia contract, university, or joint venture?  
NO

Please specify the Export Control Classification Number(s) (ECCN) to which it  
Unknown

## KEY TECHNOLOGIES

### INNOVATORS

#### Claudio Santiago Ribeiro (Claudio Ribeiro)

The address and personal information for this innovator should be treated as confidential.

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Mail Drop:	AN264	Manager:	Yoon ho Choi
Sector:	PCS	Business Unit:	Consumer Experience Software
Unknown:		Citizenship:	Brazil
Residential Address:		Mailing Address:	

#### Iullus Lucaci

The address and personal information for this innovator should be treated as confidential.

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Phone:	18475230932	Fax:	18475236921
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Department:	BB560	Location:	IL93
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Sector:	PCS	Business Unit:	Consumer Experience Software
Unknown:		Citizenship:	USA
Residential Address:		Mailing Address:	

#### Paul M Pierce

The address and personal information for this innovator should be treated as confidential.

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Mail Drop:	DW175	Manager:	Tim Parsey
Sector:	PCS	Business Unit:	Consumer Experience Software
Unknown:		Citizenship:	USA
Residential Address:		Mailing Address:	

**eIntelligence - Innovation Disclosure**

**Page 4 of 4**

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**Attorney-Client Privileged Upon Completion**

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